

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. - 36. (cancelled)

37. (new) A method of treating or modulating immunosuppression of skin cells induced by UVB radiation, wherein the method comprises topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising one or more flavonoids selected from alpha-glucosylrutin, alpha-glucosylmyricitrin, alpha-glucosylquercitrinin, alpha-glucosylquercitrin, quercetin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin, dihydrochalcone, flavone and genistein and wherein immunosuppression of skin cells induced by UVB radiation is treated or modulated.

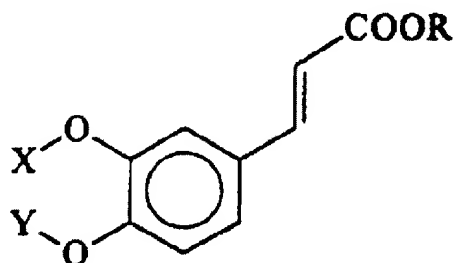
38. (new) The method of claim 37, wherein immunosuppression is treated.

39. (new) The method of claim 37, wherein the composition further comprises one or more cinnamic acid derivatives.

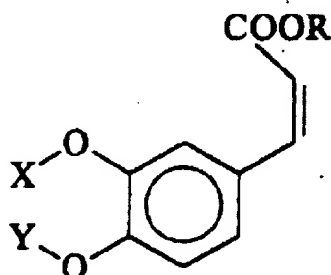
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40. (new) The method of claim 39, wherein the one or more cinnamic acid derivatives comprise one or more hydroxycinnamic acid derivatives.

41. (new) The method of claim 40, wherein the one or more hydroxycinnamic acid derivatives comprise at least one of a compound of formula



and a compound of formula



wherein X and Y independently represent H or an unbranched or branched alkyl group having from 1 to 18 carbon atoms.

42. (new) The method of claim 40, wherein the one or more hydroxycinnamic acid derivatives comprise at least one of caffeic acid and ferulic acid.

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43. (new) The method of claim 37, wherein the composition further comprises one or more antioxidants.

44. (new) The method of claim 39, wherein the composition further comprises one or more antioxidants.

45. (new) The method of claim 41, wherein the composition further comprises one or more antioxidants.

46. (new) The method of claim 43, wherein the one or more antioxidants comprise at least one of a tocopherol and a derivative thereof.

47. (new) The method of claim 45, wherein the one or more antioxidants comprise at least one of a tocopherol and a derivative thereof.

48. (new) The method of claim 37, wherein the cosmetic or dermatological formulation comprises one or more of alpha-glucosylmyricitrin, alpha-glucosylquercitrinin, alpha-glucosylquercitrin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin, dihydrochalcone, flavone and genistein.

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49. (new) The method of claim 37, wherein the cosmetic or dermatological formulation comprises from 0.01 % to 10 % by weight of the one or more flavonoids, based on a total weight of the formulation.

50. (new) The method of claim 49, wherein the cosmetic or dermatological formulation comprises from 0.1 % to 6 % by weight of the one or more flavonoids.

51. (new) The method of claim 39, wherein a weight ratio of the one or more flavonoids and the one or more cinnamic acid derivatives is from 20 : 1 to 1 : 20.

52. (new) The method of claim 51, wherein the weight ratio is from 2 : 1 to 1 : 2.

53. (new) The method of claim 37, wherein the cosmetic or dermatological formulation comprises an emulsion.

54. (new) The method of claim 37, wherein the cosmetic or dermatological formulation comprises a gel.

55. (new) A method of treating immunosuppression of skin cells induced by UVB radiation, wherein the method comprises topically applying to the skin of a person in need thereof an effective amount therefor of a cosmetic or dermatological formulation comprising (i) one or more flavonoids selected from alpha-glucosylrutin, alpha-

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glucosylmyricitrin, alpha-glucosylquercitrinin, alpha-glucosylquercitrin, quercetin, rutin, chrysin, kaempferol, myricetin, rhamnetin, apigenin, luteolin, naringin, hesperidin, naringenin, hesperitin, morin, phloridzin, diosmin, fisetin, vitexin, neohesperidin, dihydrochalcone, flavone and genistein, (ii) one or more cinnamic acid derivatives and (iii) one or more antioxidants, and wherein immunosuppression of skin cells induced by UVB radiation is treated.

56. (new) The method of claim 55, wherein the one or more cinnamic acid derivatives comprise at least one hydroxycinnamic acid derivative and wherein the one or more antioxidants comprise at least one of a tocopherol and a derivative thereof.